

Cluster **Memory** contains **23** documents.

**1. Citations: Efficient Utilization of Scratch-Pad Memory in Embedded Processor...** [new window] [frame] [preview]

... reuse when considering the **access pattern** of each processor in ... in full control of the flow of **data** between onchip and off chip ... so it is relatively easy to **predict data access** times. Previous ...

URL: [citeseer.com/context/421559/0](http://citeseer.com/context/421559/0) - [show in clusters](#)

Sources: Looksmart 2

**2. NVIDIA nForce DDR chipset** [new window] [frame] [preview]

... **accessing** and is able to **predict and access data**. This ... allows a processor to retrieve **data** directly from the **memory** in ... and tries to anticipate a **access pattern** based on some algorithms ...

URL: [www.ixbt-labs.com/articles/nvidianforce](http://www.ixbt-labs.com/articles/nvidianforce) - [show in clusters](#)

Sources: Looksmart 3

**3. Citations: An effective on-chip preloading scheme to reduce data access penalty - Baer, Chen (ResearchIndex)** [new window] [frame] [preview]

J-L. Baer and T-F. Chen. An effective on-chip preloading scheme to reduce **data access** penalty. In Proceedings of Supercomputing '91, Albuquerque, NM, November 1991. ... compiler can statically **predict** which **memory** references ... **data** when a miss occurs. Stride based **accesses** can be accommodated by hardware prefetching because the **memory access pattern** ...

URL: [citeseer.nj.nec.com/context/31464/0](http://citeseer.nj.nec.com/context/31464/0) - [show in clusters](#)

Sources: MSN 9

**4. Performance of On-Line Learning Methods in Predicting Multiprocessor Memory Access Patterns** [new window] [frame] [preview]

Performance of On-Line Learning Methods in **Predicting Multiprocessor Memory Access Patterns** Majd F. Sakr , Steven P. Levitan , Donald M. Chiarulli , Bill G. Horne , C. Lee Giles NEC Research ...

URL: [www.neci.nj.nec.com/....multiprocessor.memory.prediction.pdf](http://www.neci.nj.nec.com/....multiprocessor.memory.prediction.pdf) - [show in clusters](#)

Sources: MSN 28

**5. Microsoft PowerPoint - 6C-2.ppt** [new window] [frame] [preview]

... to include more loop optimizations, such as loop interchange and loop unrolling A model to **predict** the **memory access** cost based on **data access pattern** is under ...

URL: [www.csis.hku.hk/cluster2003/presentation/technical/6C-2.pdf](http://www.csis.hku.hk/cluster2003/presentation/technical/6C-2.pdf) - [show in clusters](#)

Sources: Netscape 7

**6. Stream Mechanism** [new window] [frame] [preview]

... to **predict** the **memory access pattern** at runtime, MagicEight proposes decoupling **memory accesses** from **data processing** ...

URL: [web.media.mit.edu/~wad/tp/node10.html](http://web.media.mit.edu/~wad/tp/node10.html) - [show in clusters](#)

Sources: MSN 23

**7. Sun BluePrints OnLine - Archives By Subject** [new window] [frame] [preview]

... strategy that enables you to **predict** and correct potential ... than main **memory**. **Memory access** time is increasingly the ... amount of time waiting for **data**. This not only negatively ...

URL: [www.sun.com/solutions/blueprints/browsesubject.html](http://www.sun.com/solutions/blueprints/browsesubject.html) - [show in clusters](#)

Sources: Looksmart 24

**8. Introduction** [new window] [frame] [preview]

... overlap processor computation with **data access** , is one of the ... study the complex **memory access pattern** at compile time and ... not be able to **predict** complicated **memory access patterns**. ...

URL: [www-cad.eecs.berkeley.edu/~robby/cs252/paper/node1.html](http://www-cad.eecs.berkeley.edu/~robby/cs252/paper/node1.html) - [show in clusters](#)

Sources: MSN 43

**9. Analyzing memory Access patterns of Programs on Alpha-based Architectures:memory access profiling tool, memory access pa** [new window] [frame] [preview]

... The ability to understand or **predict** the execution path without looking ... reuse of **data** in the user's program.

In this paper, we investigate the **memory access pattern** of Fortran ...

URL: [www.research.digital.com/.../DTJ/DTJS02/DTJS02HM.HTM](http://www.research.digital.com/.../DTJ/DTJS02/DTJS02HM.HTM) - show in clusters

Sources: MSN 50

#### 10. [www.vldb.org/conf/2002/S06P03](http://www.vldb.org/conf/2002/S06P03) [new window] [frame] [preview]

... different **data access pattern**. This means ... function to **predict** its cache ... hence to **predict** their **memory access costs**. The ... combine basic **pattern** to compound ... execution of **data** ...

URL: [www.vldb.org/conf/2002/S06P03.pdf](http://www.vldb.org/conf/2002/S06P03.pdf) - show in clusters

Sources: Lycos 12

#### 11. [Dynamic Management of Scratch-Pad Memory Space](#) [new window] [frame] [preview]

Dynamic Management of Scratch-Pad **Memory Space** M. Kandemir, J. Ramanujam, M. J. Irwin, N. Vijaykrishnan, I. Kadayif, and A. Parikh Microsystems Design Lab The Pennsylvania State University ... **memory**, so it is relatively easy to **predict data access** ... times. Previous work on SPM[10] investigates ... **memory**, the applica- tion **access pattern**, and the available **memory space** in ...

URL: [jamaica.ee.pitt.edu/.../papers/2001/dac01/pdf/42\\_1.pdf](http://jamaica.ee.pitt.edu/.../papers/2001/dac01/pdf/42_1.pdf) - show in clusters

Sources: MSN 53

#### 12. [Probert Encyclopaedia: Science & Technology \(A\)](#) [new window] [frame] [preview]

... directly to the computer's **memory**, allowing **data** to be transferred directly between **memory** and ... for detecting vibrations in machinery. **ACCESS CHARGE** Access Charge is a cost assessed to ...

URL: [www.probertencyclopaedia.com/SA.HTM](http://www.probertencyclopaedia.com/SA.HTM) - show in clusters

Sources: Looksmart 33

#### 13. [Characterization of Repeating Data Access Patterns in Integer Benchmarks](#) [new window] [frame] [preview]

Characterization of Repeating **Data Access Patterns** in Integer Benchmarks Erik M. Nystrom Roy Dz-ching Ju Wen-mei W. Hwu Processor speeds continue to outpace the **memory** subsys- tem making it ... However, the **pattern** useful for preventing B from missing is con- ... addresses to **predict** the next address. ...

URL: [www.crhc.uiuc.edu/.../ftp/conference/iscampiw-01-pattern.pdf](http://www.crhc.uiuc.edu/.../ftp/conference/iscampiw-01-pattern.pdf) - show in clusters

Sources: MSN 8

#### 14. [Quantifying and Resolving Remote Memory Access Contention on Hardware DSM Multiprocessors](#)

[new window] [frame] [preview]

Quantifying and Resolving Remote **Memory Access** Contention on Hardware DSM Multiprocessors Dimitrios S. Nikolopoulos Coordinated Science Laboratory University of Illinois at Urbana-Champaign 1308 ... we are able to **predict** the impact of remote mem- ... the mem- ory **access pattern** of the program throughout ... During the **memory access phase**, each thread retrieves **data** from **memory**. ...

URL: [www.cs.wm.edu/~dsn/papers/ipdps02\\_2.pdf](http://www.cs.wm.edu/~dsn/papers/ipdps02_2.pdf) - show in clusters

Sources: MSN 68

#### 15. [C](#) [new window] [frame] [preview]

USC CSCE TR-2002-001. Short paper presented at Work in Progress Session at The 11th International Conference on Parallel Architectures and Compilation Techniques (PACT-02), September, 2002. ... Thus I is a function of **data** . size (s) and **access pattern** (d). ... computing only have few non-contiguous **data access patterns**, we can **predict memory** communication latency (I) for ...

URL: [www.cse.sc.edu/~kcameron/prof/papers/pactwip02.pdf](http://www.cse.sc.edu/~kcameron/prof/papers/pactwip02.pdf) - show in clusters

Sources: MSN 93

#### 16. [Papers - Sixth USENIX Security Symposium](#) [new window] [frame] [preview]

Sixth USENIX Security Symposium 77-90 of the Proceedings Secure Deletion of **Data** from Magnetic and Solid-State **Memory** ... wishing to gain **access** to sensitive **data** is forced to ... of supposedly erased **data** from magnetic media or random- **access memory**. ... involved writing a fixed **pattern** of all 1's ...

URL: [www.usenix.org/.../proceedings/sec96/full\\_papers/gutmann](http://www.usenix.org/.../proceedings/sec96/full_papers/gutmann) - show in clusters

Sources: MSN 61

#### 17. [Using Whole-program Locality to Predict Cache Miss Rate](#) [new window] [frame] [preview]

Using Whole-program Locality to **Predict** Cache Miss Rate Yutao Zhong, Steven G. Dropsho, and Chen Ding Computer Science Department University of Rochester Improving cache performance requires ... capability to **predict** . the **memory reference pattern** for a ... program **access** behavior to a fully associative cache. Ding and

Zhong analyzed the reuse. **pattern of data elements** [7]. ...

URL: [www.cs.rochester.edu/~dropsho/papers/pact03\\_1.pdf](http://www.cs.rochester.edu/~dropsho/papers/pact03_1.pdf) - show in clusters

Sources: MSN 39

#### 18. PowerPC G5 Performance Primer [new window] [frame] [preview]

... knows the **data usage pattern** in advance. Unlike ... the overhead to **access memory**. Adjust to the ... enough to map 512K of **data**, the same size as the ... suffixes to statically **predict highly predictable** ...

URL: [aktuality.prolidi.net/...6-2003\\_apple\\_-\\_srovnani\\_g4\\_-\\_g5.php](http://aktuality.prolidi.net/...6-2003_apple_-_srovnani_g4_-_g5.php) - show in clusters

Sources: Looksmart 81

#### 19. Increasing the Accuracy of Data Prefetching Streams [new window] [frame] [preview]

... structures to. **predict future memory** addresses based on ... **data** structures around quite of-. ten. This can make prefetching techniques that are based on. learning the **access pattern** ...

URL: [www.ucop.edu/research/micro/00\\_01/00\\_010.pdf](http://www.ucop.edu/research/micro/00_01/00_010.pdf) - show in clusters

Sources: MSN 62

#### 20. Welcome to the Redwood Neuroscience Institute [new window] [frame] [preview]

... of processing for **pattern** matching and forming ... and to associatively **access memories**, in the ... in methods of analyzing **data** from neuroimaging ... system which learns to **predict** its own sensory input ...

URL: [www.rni.org/sci-staff.html](http://www.rni.org/sci-staff.html) - show in clusters

Sources: Looksmart 91

Result Pages: 1-20 - 21-23

Cluster **Memory** contains 13 documents.

### 1. Quantifying Locality Effect in Data Access Delay: Memory LogP [new window] [frame] [preview]

... few non-contiguous **data access patterns**, we can **predict memory** communication ... levels making additional delays dependent upon the **data access pattern and data** ...

URL: [www.cs.iit.edu/~scs/psfiles/KSipdps03.PDF](http://www.cs.iit.edu/~scs/psfiles/KSipdps03.PDF) - [show in clusters](#)

Sources: Netscape 3

### 2. On-Line Prediction of Multiprocessor Memory Access Patterns [new window] [frame] [preview]

... be effective, it has to **predict** the ☐ steps ... 400 **Memory module # Time Communication data pattern** (win = ) 0 ... 3: (a) The **memory access pattern** of the temperature ...

URL: [external.nj.nec.com/.../ICNN96.multiprocessor.prediction.pdf](http://external.nj.nec.com/.../ICNN96.multiprocessor.prediction.pdf) - [show in clusters](#)

Sources: Netscape 17

### 3. Dynamic Management of Scratch-Pad Memory Space [new window] [frame] [preview]

... is relatively easy to **predict data access**. times. Previous work ... **tion access pattern**, and the available **memory** space in the ... the cost incurred in **accessing** the off-chip **memory** ...

URL: [jamaica.ee.pitt.edu/.../papers/2001/dac01/pdffiles/42\\_1.pdf](http://jamaica.ee.pitt.edu/.../papers/2001/dac01/pdffiles/42_1.pdf) - [show in clusters](#)

Sources: MSN 40

### 4. Microsoft PowerPoint - 6C-2.ppt [new window] [frame] [preview]

... to include more loop optimizations, such as loop interchange and loop unrolling A model to **predict** the **memory access** cost based on **data access pattern** is under ...

URL: [www.csis.hku.hk/cluster2003/presentation/technical/6C-2.pdf](http://www.csis.hku.hk/cluster2003/presentation/technical/6C-2.pdf) - [show in clusters](#)

Sources: Netscape 15

### 5. Performing File Prediction with a Program-Based Successor Model [new window] [frame] [preview]

... **accessing pattern**. If a match found,. files in that **pattern** tree are prefetched to **memory**. Vitter, Curewite, and Krishnan adopt the technique. of **data** compression to **predict** ...

URL: [csl.cse.ucsc.edu/Papers/yeh-mascots01.pdf](http://csl.cse.ucsc.edu/Papers/yeh-mascots01.pdf) - [show in clusters](#)

Sources: MSN 15

### 6. Generic Database Cost Models for Hierarchical Memory Systems [new window] [frame] [preview]

Generic Database Cost Models for Hierarchical **Memory** Systems Martin L. Kersten CWI, Kruislaan 413, 1098 SJ Amsterdam, The Netherlands Accurate **prediction** of operator execution time is a ... used to **predict** the amount of **data** that each ... **access pattern**. Sequentially reading or writing consecutive pages causes. less cost per page than **accessing** scattered ...

URL: [www.vldb.org/conf/2002/S06P03.pdf](http://www.vldb.org/conf/2002/S06P03.pdf) - [show in clusters](#)

Sources: MSN 64

### 7. A New Theoretical Framework For Explicit and Implicit Memory [new window] [frame] [preview]

... and indicate why we think the framework discussed here offers a better way of explaining available **data**. We then consider the problems associated with the measurement of so-called explicit and implicit ...

URL: [psyche.cs.monash.edu.au/v3/psyche-3-02-mayes.html](http://psyche.cs.monash.edu.au/v3/psyche-3-02-mayes.html) - [show in clusters](#)

Sources: Looksmart 61

### 8. Citations: A Data Locality Optimization Algorithm - Wolf, Lam (ResearchIndex) [new window] [frame] [preview]

Michael E. Wolf and Monica S. Lam. A **Data** Locality Optimization Algorithm. Proceedings of the ACM SIGPLAN Symposium on Programming Language Design and Implementation, pages 30--44, June 1991. ... of **data** loaded before in the level of the **memory** hierarchy under study is **accessed** without necessity of **accessing** the ... an easy to **predict pattern** and therefore the ...

URL: [citeseer.nj.nec.com/context/288226/0](http://citeseer.nj.nec.com/context/288226/0) - [show in clusters](#)

Sources: MSN 26

### 9. HiDISC: A Decoupled Architecture for Applications in Data Intensive Computing [new window] [frame] [preview]

HiDISC: A Decoupled Architecture for Applications in **Data** Intensive Computing Drs. Alvin Despain and Jean-Luc Gaudiot The ever growing speed gap between processor and main **memory** has been a major ... on the

**access pattern** being **predicted** and fail ... the future **data** addresses. This is very. difficult to **predict** when the ... of generating addresses, **accessing memory**, and prefetching is ...

URL: [pascal.eng.uci.edu/projects/HiDISC/Final\\_report.pdf](http://pascal.eng.uci.edu/projects/HiDISC/Final_report.pdf) - show in clusters

Sources: MSN 74

#### 10. Computer Almanac - Numbers About Computers [new window] [frame] [preview]

... 2003 "Jupiter Research **predicts** that 28 million US households ... number of interconnected **data** -centric devices is a corresponding ... Kehoe, "Drowning in a Deluge of **Data** " Financial Times, p ... of...

URL: [www.cs.cmu.edu/afs/cs.cmu.edu/user/bam/www/numbers.html](http://www.cs.cmu.edu/afs/cs.cmu.edu/user/bam/www/numbers.html) - show in clusters

Sources: Lycos 17

#### 11. Conserving Battery Energy through Making Fewer Incorrect File Predictions [new window] [frame] [preview]

... **accessing pattern** observed. Vitter, Curewite,. and Krishnan adopt the technique of **data** compression. to **predict** next ...

URL: [www.cse.ucsc.edu/~sbrandt/papers/WPMRTES.pdf](http://www.cse.ucsc.edu/~sbrandt/papers/WPMRTES.pdf) - show in clusters

Sources: MSN 42

#### 12. Concurrency and Computation:Practice and Experience [new window] [frame] [preview]

... on each image -- which forms a separate virtual **data** space. Multi-wavelength images can be used for ... for distributed computation by using a bridge **pattern** code synthesizer. CentiJ reuses original ...

URL: [aspen.ucs.indiana.edu/CandCPandE/index.html](http://aspen.ucs.indiana.edu/CandCPandE/index.html) - show in clusters

Sources: Looksmart 44

#### 13. Grid computing made simple - The Industrial Physicist [new window] [frame] [preview]

... as opposed to **accessing data**, another ... such as fractals and **pattern** formation. FEM ... communicate and share **data** with its neighbors ... Use algorithms to **predict** the optimal number of ...

URL: [www.tipmagazine.com/tip/INPHFA/vol-9/iss-4/p31.html](http://www.tipmagazine.com/tip/INPHFA/vol-9/iss-4/p31.html) - show in clusters

Sources: Looksmart 63

Top 58 results retrieved for the query **Predictor Directed Stream buffer sherwood** ([Details](#))

**1. Predictor - Directed Stream Buffers - Sherwood , Sair, Calder ...** [\[new window\]](#) [\[frame\]](#) [\[preview\]](#)

... author = "Timothy Sherwood and Suleyman Sair and Brad Calder", title = " **Predictor - directed stream buffers** ", booktitle = "International Symposium on ...

URL: [citeseer.nj.nec.com/sherwood00predictordirected.html](http://citeseer.nj.nec.com/sherwood00predictordirected.html) - [show in clusters](#)

Sources: Netscape 1, MSN 1

**2. Advance Program for the 33rd International Symposium on Microarchitecture** [\[new window\]](#) [\[frame\]](#) [\[preview\]](#)

... Row-buffer Conflicts and Exploit Data Locality (Presentation Slides) Z. Zhang, Z. Zhu, X. Zhang ( College of William and Mary) **Predictor-Directed Stream Buffers** (Presentation Slides) T. Sherwood, S ...

URL: [www.microarch.org/micro33/advance\\_program.html](http://www.microarch.org/micro33/advance_program.html) - [show in clusters](#)

Sources: Looksmart 6, MSN 12, Lycos 10, Netscape 20

**3. Predictor - Directed Stream Buffers** [\[new window\]](#) [\[frame\]](#) [\[preview\]](#)

**Predictor - Directed Stream Buffers** Timothy Sherwood , Suleyman Sair, and Brad ... form of data prefetching, stream buffers , has been shown to be particularly ... In this paper we propose **Predictor** ...

URL: [www-cse.ucsd.edu/~calder/abstracts/MICRO-00-PSB.html](http://www-cse.ucsd.edu/~calder/abstracts/MICRO-00-PSB.html) - [show in clusters](#)

Sources: Lycos 1, MSN 2

**4. A Decoupled Predictor-Directed Stream Prefetching Architecture** [\[new window\]](#) [\[frame\]](#) [\[preview\]](#)

... Architecture Suleyman Sair, Timothy Sherwood, Brad Calder , IEEE Abstract—An effective ... we propose **Predictor-Directed Stream Buffers** ( PSB ), which allows the stream buffer to follow a ...

URL: [www.computer.org/tc/tc2003/t0260abs.htm](http://www.computer.org/tc/tc2003/t0260abs.htm) - [show in clusters](#)

Sources: Looksmart 2, MSN 4

**5. Friends of SimpleScalar LLC** [\[new window\]](#) [\[frame\]](#) [\[preview\]](#)

... Reorder Buffer Architecture, in ... Branch Target Predictor to Reduce Power ... Compiler-Directed Dynamic Voltage ... Sair, Timothy Sherwood, and Brad ... Quantifying Load Stream Behavior, in the ...

URL: [www.simplescalar.com/friends.html](http://www.simplescalar.com/friends.html) - [show in clusters](#)

Sources: Looksmart 5, MSN 11, Lycos 12

**6. MICRO-33 Program on CD** [\[new window\]](#) [\[frame\]](#) [\[preview\]](#)

... based Page Interleaving Scheme to Reduce Row-buffer Conflicts and Exploit Data Locality (PDF / PS ... of William and Mary) **Predictor-Directed Stream Buffers** (PDF / PS) Timothy Sherwood, Suleyman Sair ...

URL: [www.capsl.udel.edu/COMPILER/MICRO33/m33pgm.htm](http://www.capsl.udel.edu/COMPILER/MICRO33/m33pgm.htm) - [show in clusters](#)

Sources: Looksmart 4, MSN 10

**7. Comp.compilers: MICRO-33 Advance Program** [\[new window\]](#) [\[frame\]](#) [\[preview\]](#)

... symposium workshops - Feedback- Directed and Dynamic Optimization ... ACM Workshop on Feedback-Directed and Dynamic Optimization ... William and Mary) **Predictor - Directed Stream Buffers** Timothy...

URL: [compilers.iecc.com/comparch/article/00-10-229](http://compilers.iecc.com/comparch/article/00-10-229) - [show in clusters](#)

Sources: Lycos 7, Looksmart 8

**8. University of California, Irvine** [\[new window\]](#) [\[frame\]](#) [\[preview\]](#)

... **Predictor - Directed Stream Buffers** (PSB), ... Markov (SFM) predictor to direct stream . buffer prefetching and ... Timothy Sherwood, Suleyman Sair, and Brad Calder, **Predictor - Directed Stream** ...

URL: [www.ics.uci.edu/~rgupta/darpa-memarch/quarterlys/q101.pdf](http://www.ics.uci.edu/~rgupta/darpa-memarch/quarterlys/q101.pdf) - [show in clusters](#)

Sources: MSN 7, Netscape 13

**9. Predictor-Directed Stream Buffers** [\[new window\]](#) [\[frame\]](#) [\[preview\]](#)

**Predictor-Directed Stream Buffers** Timothy Sherwood, Suleyman Sair, and Brad Calder In proceedings of ... we propose **Predictor-Directed Stream Buffers** (PSB), a scheme in which the stream buffer follows an ...

URL: [www.cs.ucsd.edu/users/calder/abstracts/MICRO-00-PSB.html](http://www.cs.ucsd.edu/users/calder/abstracts/MICRO-00-PSB.html) - [show in clusters](#)

Sources: Looksmart 1

**10. Citations: Predictor - Directed Stream Buffers - Sherwood , Sair ...** [\[new window\]](#) [\[frame\]](#) [\[preview\]](#)

... When performing the instruction cache fetch, the prefetch buffer is .... T. Sherwood , S. Sair, and B. Calder.

**Predictor - directed stream buffers . ...**

URL: [citeseer.nj.nec.com/context/1854381/434945](http://citeseer.nj.nec.com/context/1854381/434945) - show in clusters

Sources: Netscape 2

**11. [www.cs.technion.ac.il ... P31](http://www.cs.technion.ac.il/~cs236603/PapresClass/P31)** [new window] [frame] [preview]

**Predictor - Directed Stream Buffers** Timothy Sherwood Suleyman ... this paper we propose **Predictor - Directed Stream Buffers (PSB)**, a scheme in which ... **stream buffer** called the **Predictor** ...

URL: [www.cs.technion.ac.il/~cs236603/PapresClass/P31.pdf](http://www.cs.technion.ac.il/~cs236603/PapresClass/P31.pdf) - show in clusters

Sources: Lycos 2

**12. MICRO 2000** [new window] [frame] [preview]

... scheme to reduce row-buffer conflicts and exploit data locality. 32-41 Electronic Edition (link) Timothy Sherwood, Suleyman Sair, Brad Calder: **Predictor-directed stream buffers**. 42-53 Electronic ...

URL: [www.informatik.uni-trier.de/~db/conf/micro/micro2000.html](http://www.informatik.uni-trier.de/~db/conf/micro/micro2000.html) - show in clusters

Sources: Looksmart 7, MSN 22

**13. Predictor - directed stream buffers** [new window] [frame] [preview]

... **Predictor - directed stream buffers** . ... S. Palacharla , RE Kessler, Evaluating **stream buffers** as a ... Brad Calder , Todd Austin, Fetch **directed** instruction prefetching ...

URL: [portal.acm.org/...M&coll=GUIDE&CFID=11111111&CFTOKEN=2222222](http://portal.acm.org/...M&coll=GUIDE&CFID=11111111&CFTOKEN=2222222) - show in clusters

Sources: Netscape 3

**14. A Decoupled Predictor - Directed Stream Prefetching Architecture** [new window] [frame] [preview]

A Decoupled **Predictor - Directed Stream Prefetching Architecture** Suleyman Sair, Tim Sherwood, and Brad Calder IEEE Transactions on Computers, 2002. An effective method for reducing the effect of ...

URL: [www-cse.ucsd.edu/~calder/abstracts/IEEE-TC-02-PDSB.html](http://www-cse.ucsd.edu/~calder/abstracts/IEEE-TC-02-PDSB.html) - show in clusters

Sources: MSN 3

**15. [sosp16.cs.washington.edu ... Thesis.book](http://sosp16.cs.washington.edu/...Thesis.book)** [new window] [frame] [preview]

... second-level cache miss **stream** . Accessing data from main ... reconfirm the ability of **stream buffers** to prefetch effectively ... 5.3 Non-strided Address **Streams** ... 55 4.5.4 Hybrid **Predictor** ...

URL: [sosp16.cs.washington.edu/homes/waynew/papers/Thesis.book.pdf](http://sosp16.cs.washington.edu/homes/waynew/papers/Thesis.book.pdf) - show in clusters

Sources: Lycos 3

**16. Citations: Tolerating Memory Latency through Software-Controlled Pre-Executi...** [new window] [frame] [preview]

... Quantifying Load **Stream** Behavior - Sair, Sherwood, Calder (2002) (Correct) ....a prefetching architecture that uses a **predictor directed stream buffer** to prefetch down data miss **streams** ...

URL: [citeseer.com/context/1753042/489293](http://citeseer.com/context/1753042/489293) - show in clusters

Sources: Looksmart 3

**17. Predictor - Directed Stream Buffers** [new window] [frame] [preview]

**Predictor - Directed Stream Buffers** . Timothy Sherwood , Suleyman Sair, and Brad Calder In proceedings of the 33rd International Symposium ...

URL: [www.cs.ucsd.edu/~calder/abstracts/MICRO-00-PSB.html](http://www.cs.ucsd.edu/~calder/abstracts/MICRO-00-PSB.html) - show in clusters

Sources: Netscape 4

**18. [systems.cs.colorado.edu ...](http://systems.cs.colorado.edu/...)** [new window] [frame] [preview]

... Sensitive Data Prefetching Thesis **directed** by Associate Professor Dirk Grunwald ... 20 3.1.2 **Stream Predictors** ... 26 3.1.4 Correlation **Predictors** ...

URL: [systems.cs.colorado.edu/.../Thesis-cooksey/cooksey-thesis.ps](http://systems.cs.colorado.edu/.../Thesis-cooksey/cooksey-thesis.ps) - show in clusters

Sources: Lycos 4

**19. Predictor - Directed Stream Buffers** [new window] [frame] [preview]

AWK: The Duct Tape of Computer Science Research. Tim Sherwood . UC San Diego. AWK - Sherwood . 2. Duct Tape. Research Environment. Lots ...

URL: [www.cs.ucsd.edu/.../2002-sherwood-gawk/gawk-tutorial.ppt](http://www.cs.ucsd.edu/.../2002-sherwood-gawk/gawk-tutorial.ppt) - show in clusters

Sources: Netscape 5

**20. Predictor - Directed Stream Buffers** [\[new window\]](#) [\[frame\]](#) [\[preview\]](#)

... California, Irvine **Predictor - Directed Stream Buffers** Timothy Sherwood, Suleyman Sair, Brad ... in the **stream buffer** ) For indexing in address **predictor** , confidence information, local ...

URL: [www.cecs.uci.edu/.../Predictor-Directed\\_Stream\\_Buffers.ppt](http://www.cecs.uci.edu/.../Predictor-Directed_Stream_Buffers.ppt) - show in clusters

Sources: MSN 5

Result Pages: 1-20 - [21-40](#) - [41-58](#)

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**1 Database access characterization for buffer hit prediction**

*Dan, A.; Yu, P.S.; Chung, J.-Y.;*

Data Engineering, 1993. Proceedings. Ninth International Conference on , 19- April 1993

Pages:134 - 143

[\[Abstract\]](#)   [\[PDF Full-Text \(808 KB\)\]](#)   **IEEE CNF**

**2 Memory access pattern analysis and stream cache design for multi applications**

*Junghee Lee; Chanik Park; Soonhoi Ha;*

Design Automation Conference, 2003. Proceedings of the ASP-DAC 2003. Asia South Pacific , 21-24 Jan. 2003

Pages:22 - 27

[\[Abstract\]](#)   [\[PDF Full-Text \(707 KB\)\]](#)   **IEEE CNF**

**3 Real time Web usage mining with a distributed navigation analysis**

*Masseglia, F.; Teisseire, M.; Poncelet, P.;*

Research Issues in Data Engineering: Engineering E-Commerce/E-Business Systems, 2002. RIDE-2EC 2002. Proceedings. Twelfth International Workshop on , 24-25 Feb. 2002

Pages:169 - 174

[\[Abstract\]](#)   [\[PDF Full-Text \(291 KB\)\]](#)   **IEEE CNF**

**4 Performance prediction for different consistency schemes in distributed shared memory systems**

*Srblijic, S.; Vranesic, Z.G.; Budin, L.;*

High Performance Distributed Computing, 1994., Proceedings of the Third IEEE

International Symposium on , 2-5 Aug. 1994  
Pages:295 - 302

[[Abstract](#)] [[PDF Full-Text \(676 KB\)](#)] IEEE CNF

---

**5 Design and evaluation of data access prediction strategies in SDSM systems**

*Pineschi, E.J.; de Castro, M.C.S.; de Amorim, C.L.;*  
Computer Architecture and High Performance Computing, 2002. Proceedings.  
Symposium on , 28-30 Oct. 2002  
Pages:151 - 158

[[Abstract](#)] [[PDF Full-Text \(324 KB\)](#)] IEEE CNF

---

**6 A parallel processor architecture for prefetching**

*Kim, S.-M.; Manoharan, S.;*  
Parallel Architectures, Algorithms and Networks, 2000. I-SPAN 2000. Proceed  
International Symposium on , 7-9 Dec. 2000  
Pages:254 - 259

[[Abstract](#)] [[PDF Full-Text \(528 KB\)](#)] IEEE CNF

---

**7 Timer management in X.25 layer 2-an interpretation**

*Khanna, V.K.;*  
TENCON '93. Proceedings. Computer, Communication, Control and Power  
Engineering.1993 IEEE Region 10 Conference on , Issue: 0 , 19-21 Oct. 1993  
Pages:540 - 543 vol.1

[[Abstract](#)] [[PDF Full-Text \(232 KB\)](#)] IEEE CNF

---

**8 Effective hardware-based data prefetching for high-performance processors**

*Tien-Fu Chen; Jean-Loup Baer;*  
Computers, IEEE Transactions on , Volume: 44 , Issue: 5 , May 1995  
Pages:609 - 623

[[Abstract](#)] [[PDF Full-Text \(1408 KB\)](#)] IEEE JNL

---

**9 Estimating and optimizing performance for parallel programs**

*Fahringer, T.;*  
Computer , Volume: 28 , Issue: 11 , Nov. 1995  
Pages:47 - 56

[[Abstract](#)] [[PDF Full-Text \(1416 KB\)](#)] IEEE JNL

---

**10 On parallelizing the EM algorithm for PET image reconstruction**

*Chung-Ming Chen; Soo-Young Lee;*  
Parallel and Distributed Systems, IEEE Transactions on , Volume: 5 , Issue:  
8 , Aug. 1994  
Pages:860 - 873

[[Abstract](#)] [[PDF Full-Text \(1336 KB\)](#)] IEEE JNL

---

**11 Real time Web usage mining: a heuristic based distributed miner**  
*Masseglia, F.; Teisseire, M.; Poncelet, P.;*  
Web Information Systems Engineering, 2001. Proceedings of the Second International Conference on , Volume: 1 , 3-6 Dec. 2001  
Pages:288 - 297 vol.1

[\[Abstract\]](#)   [\[PDF Full-Text \(886 KB\)\]](#)   [IEEE CNF](#)

---

**12 Tolerating memory latency through software-controlled pre-execution in simultaneous multithreading processors**  
*Chi-Keung Luk;*  
Computer Architecture, 2001. Proceedings. 28th Annual International Symposium on , 30 June-4 July 2001  
Pages:40 - 51

[\[Abstract\]](#)   [\[PDF Full-Text \(248 KB\)\]](#)   [IEEE CNF](#)

---

**13 Discovery of Web frequent patterns and user characteristics from Web access logs: a framework for dynamic Web personalization**  
*Dua, S.; Cho, E.; Iyengar, S.S.;*  
Application-Specific Systems and Software Engineering Technology, 2000. Proceedings. 3rd IEEE Symposium on , 24-25 March 2000  
Pages:3 - 8

[\[Abstract\]](#)   [\[PDF Full-Text \(144 KB\)\]](#)   [IEEE CNF](#)

---

**14 Using idle workstations to implement predictive prefetching**  
*Wang, J.Y.Q.; Ong, J.S.; Coady, Y.; Feeley, M.J.;*  
High-Performance Distributed Computing, 2000. Proceedings. The Ninth International Symposium on , 1-4 Aug. 2000  
Pages:87 - 94

[\[Abstract\]](#)   [\[PDF Full-Text \(604 KB\)\]](#)   [IEEE CNF](#)

---

**15 Learning response times for WebSources: a comparison of a web prediction tool (WebPT) and a neural network**  
*Bright, L.; Raschid, L.; Zadorozhny, V.; Tao Zhan;*  
Cooperative Information Systems, 1999. CoopIS '99. Proceedings. 1999 IFCI International Conference on , 2-4 Sept. 1999  
Pages:160 - 171

[\[Abstract\]](#)   [\[PDF Full-Text \(248 KB\)\]](#)   [IEEE CNF](#)

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